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REQUEST

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International Application No.		
International Filing Date	_	
Name of receiving Office and "PCT Int	ernational Application"	

	International Fil	International Filing Date			
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receivi	Name of receiving Office and "PCT International Application"			
		Applicant's or agent's file reference (if desired) (12 characters maximum)			
Box No. I TITLE OF INVENTION					
LATTICE ENCODING					
Box No. II APPLICANT Thi	s person is also inventor				
Name and address: (Family name followed by given name; for a The address must include postal code and name of country. The cor Box is the applicant's State (that is, country) of residence if no State of	in this				
Canon Kabushiki Kaisha		Facsimile No.			
30-2 3-chome Shimomaruko Ohta-ku, Tokyo, Japan		Teleprinter No.			
Japan		Applicant's registration No. with the Office			
State (that is, country) of nationality: Japan	State (that is, c Jap	country) of residence: an			
This person is applicant for the purposes of: all designated X all designated the UX al	esignated States except United States of America	the United States of America only the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENT	OR(S)			
Name and address: (Family name followed by given name: for a The address must include postal code and name of country. The con Box is the applicant's State (that is country) of residence if no State of JOST, Uwe Helmut c/o Canon Research Centre Europe The Braccans, London Road Bracknell, Berkshire RG12 2XH	d in this 1 ms person is:				
State (that is, country) of nationality: Germany	country) of residence:				
This person is applicant all designated all d	lesignated States except United States of America	X the United States of America only the States indicated in the Supplemental Box			
X Further applicants and/or (further) inventors are ind	icated on a continuation	sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:					
Name and address: (Family name followed by given name; for a The address must include postal code and n BERESFORD, Keith Denis Lewis; BRINCK, David John Bo DLUGOSZ, Anthony Charles; FIELD, Howard John: FLEGO FOX, Nicholas Russell Philip; KENNINGTON, Eric Alasdai MACDOUGALL, Alan John Shaw; MACKENZIE, Ian Alast	020 7831 2290				
PERKINS, Janet Frances; SPROSTON, David; TOPLEY, Parall of BERESFORD & Co,2-5 Warwick Court, High Holborn	ı, London, WC1R 5DH, GE	Agent s registration No. with the Office			
Address for correspondence: Mark this check-box space above is used instead to indicate a special add	x where no agent or com- dress to which correspon	mon representative is/has been appointed and the dence should be sent.			

Continuation of Box No. III FUR R APPLICANT(S) AND/OR (FURTHER) INV				
If none of the following sub-boxes is used, this sheet should no	ot be included in the rea	quest.		
Name and address: (Family name followed by given name: for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen ATKINSON, Michael Richard c/o Canon Research Centre Europe Lt The Braccans, London Road Bracknell, Berkshire RG12 2XH	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: UK	State (that is, country,) of residence:		
This person is applicant all designated all designate	d States except	the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	ne address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country)	of residence:		
This person is applicant all designated for the purposes of:		the United States of America only the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residenc	e address indicated in this \	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality: State (that is, country) of residence:				
This person is applicant for the purposes of: all designated the United States all designated the United States		the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office				
State (that is, country) of nationality: State (that is, country) of residence:				
		he United States of America only the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated on another continuation sheet.				

В	ox l	Vo.	V DESIGNATION OF ST	S	1	Mark the applicable check-boxes belov	w; a	1 /	ene must be marked.
, LI	The following designations are hereby and a under Rule 4.9(a):								
	Regional Patent								
	_			M	Gam	bia, KE Kenya, LS Lesotho, MV	V M	alav	wi M7. Mozambique SD Sudam
			SL Sierra Leone, SZ Swaziland, T	\mathbf{z} U	Inited	d Republic of Tanzania, UG Uganda,	ZM	I Zaı	mbia, ZW Zimbabwe, and any other
			State which is a Contracting State	of	the F	Harare Protocol and of the PCT (if other	her	kind	of protection or treatment desired
57									
DK.	E	A	Eurasian Patent: AM Armenia, A	Z	Azerl	baijan, BY Belarus, KG Kyrgyzstan,	KZ	Kaz	akhstan, MD Republic of Moldova,
			Patent Convention and of the PCT	stan	i, liv	1 Turkmenistan, and any other State	whi	ch is	a Contracting State of the Eurasian
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_			Republic, DE Germany, DK Denn	narl	k, EI	E Estonia, ES Spain, FI Finland, FR	Fra	nce.	GB United Kingdom, GR Greece
			HU Hungary, IE Ireland, IT Italy, I	LU:	Luxe	embourg, MC Monaco, NL Netherlar	nds.	PT	Portugal, RO Romania SE Sweden
			SI Slovenia, SK Slovakia, TR Turk and of the PCT	key	, and	any other State which is a Contraction	ng S	tate	of the European Patent Convention
ΙχΊ				~ r	-				
بظ	U.	A	CA Gabon GN Guinea GO Faux	BJ	Beni	in, CF Central African Republic, CG uinea, GW Guinea-Bissau, ML Mal	Co	ngo	, CI Côte d'Ivoire, CM Cameroon,
			TD Chad, TG Togo, and any other	Sta	te wi	hich is a member State of OAPI and a	11, 14 2 Cc	ntra	viauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind
			of protection or treatment desired,	spe	cify	on dotted line)	• • • •		·····
		na	I Patent (if other kind of protection	n or	trea	tment desired, specify on dotted line):			
X	AE	ΞU	Inited Arab Emirates	X	HR	Croatia	X		
X	AC	G A	Antigua and Barbuda		HU	Hungary	X	PG	Papua New Guinea
KI SZ	AI	A .	Albania	X	ID	Indonesia	X	PH	Philippines
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						Iceland Japan	정	RO	Romania
X	BA	В	Rosnia and Herzegovina	IXI	JF KE	Kenya	יבא	ΚU	Russian Federation
X	BB	 . B	Barbados	X	KG	Kyrgyzstan		SC	Seychelles
X	BG	3 B	Bulgaria	X	KP	Democratic People's Republic			Sudan
X	BR	R B	Brazil			of Korea	X	SE	Sweden
X	BY	B	Belarus	X	KR	Republic of Korea		SG	Singapore
X	BZ	В	Belize	X	ΚZ	Kazakhstan	X	SK	Slovakia
			Canada	X	LC	Saint Lucia			Sierra Leone
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			Pominica				X	UA	Ukraine
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			pain		MN	Macedonia	ťΟΊ	* 17	Hababiasa
X	FI	Fi	inland	X	MW	Malawi	[X]	VC	Uzbekistan
X	GB	Ū	Inited Kingdom	X	MX	Mexico	[X]	VN	Viet Nam
			_	X	MZ	Mozambique	図	YU	Serbia and Monteneoro
X	GE	G	eorgia	\mathbf{X}	NI	Nicaragua			South Africa
			hana			Norway			Zambia
X	GM	1 G:	ambia	X	NZ	New Zealand	X	zw	Zimbabwe
Ch	Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:								
X		E	Egypt			nave become party to the PC1 a	П		ance of this sheet:
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being									
exc	iuae	ea i	from the scope of this statement. The	app	plica	nt declares that those additional desig	nati	ons	are subject to confirmation and that
any	aes	sign	nation which is not confirmed before	e the	еехр	piration of 15 months from the priority	v da	te is	to be regarded as withdrawn by the
арр	applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)								

Sheet No. 4

Box No. VI PRIORIT	Y CLAIM					
The priority of the followi	ng earlier application(s) is here	eby claimed:				
Filing date	Number	Where earlier application is:				
of earlier application of earlier application (day/month/year)		national application: country or Member of WTO	regional application:* regional Office	international application receiving Office		
item (1)						
15 October 2002	0224012.5	UK				
item (2)						
item (3)						
item (4)						
item (5)						
Further priority claim	s are indicated in the Suppleme	ental Box.				
The receiving Office is req if the earlier application wa above as:	uested to prepare and transmit is filed with the Office which for	to the International Bureau the purposes of this interna	a a certified copy of the e	arlier application(s) (only eceiving Office) identified		
X all items item	n(1) item (2)	item (3) item	(4)	other, see Supplemental Box		
* Where the earlier applica Industrial Property or one I	tion is an ARIPO application, ir Member of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve earlier application was file	ntion for the Protection of ed (Rule 4.10(b)(ii)):		
• • • • • • • • • • • • • • • • • • • •						
Box No. VII INTERNA	TIONAL SEARCHING AUT	THORITY				
Choice of International So	earching Authority (ISA) (if the the Authority chosen; the two	wo or more International S	earching Authorities are o	competent to carry out the		
ISA /	te the Authority chosen; the two	-letter code may be used):		emperom to curry our me		
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International Searching Aut	earlier search; reference to the hority):	hat search (if an earlier se	arch has been carried out	t by or requested from the		
Date (day/month/year) Number Country (or regional Office)						
Box No. VIII DECLARA	ATIONS					
The following declarations check-boxes below and indic	s are contained in Boxes Nos. cate in the right column the num	VIII (i) to (v) (mark the ap aber of each type of declara	pplicable tion):	Number of declarations		
Box No. VIII (i)						
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent						
Box No. VIII (iii)	Declaration as to the applied date, to claim the priority of	cant's entitlement, as at th of the earlier application	e international filing	:		
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America)						
Box No. VIII (v)	Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :					

	5	
Sheet No.	•	

Box No. IX CHECK LIST; LANCE E OF FILING				
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):				
sheets: request (including	1. X fee calculation sheet	:		
declaration sheets) : 5	2. original separate power of attorney	:		
description (excluding sequence listings and/or	3. original general power of attorney	:		
tables related thereto) : 74	4. copy of general power of attorney; reference number,			
claims : 25	if any:			
abstract : 1	5. statement explaining lack of signature 6. priority document(s) identified in Box No. VI as	:		
drawings : 25 Sub-total number of sheets : 120	item(s):	:		
sequence listings :	7. translation of international application into (language):			
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorgani or other biological material	sm :		
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)			
computer readable form; see (c) below)	(i) copy submitted for the purposes of international sea Rule 13ter only (and not as part of the international)	rch under		
Total number of sheets : 130 (b) only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left c additional copies including, where applicable, the co purposes of international search under Rule 13ter			
(Section 801(a)(i)) (i) ☐ sequence listings	(iii) together with relevant statement as to the identity of copies with the sequence listings mentioned in left c	the copy or olumn		
(ii) tables related thereto (c) also in computer readable form	10. tables in computer readable form related to sequence lis (indicate type and number of carriers)			
(Section 80 Î(a)(ii)) (i) □ sequence listings (ii) □ tables related thereto	(i) copy submitted for the purposes of international sea Section 802(b-quater) only (and not as part of the in	rch under ternational		
(ii) ☐ tables related thereto Type and number of carriers (diskette,	application) (ii) (only where check-box (b)(ii) or (c)(ii) is marked in left	: (column)		
CD-ROM, CD-R or other) on which are contained the	additional copies including, where applicable, the copurposes of international search under Section 802(opy for the b-quater) :		
sequence listings:	(iii) together with relevant statement as to the identity of copies with the tables mentioned in left column	the copy or		
(additional copies to be indicated under 11. other (specify):				
items 9(ii) and/or 10(ii), in right column)				
Figure of the drawings which should accompany the abstract: 3 Language of filing of the international application: English				
Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE				
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).				
FOX; Nicholas				
	nt for the Applicant			
nge	To the applicant			
	For receiving Office use only			
Date of actual receipt of the purported international application:		2. Drawings:		
инстинова аррисацов.	international application:			
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:				
4. Date of timely receipt of the required corrections under PCT Article 11(2):				
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid				
For International Bureau use only				
Date of receipt of the record copy by the International Bureau:				
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This sheet is not part of and does not count as a sheet of the international application.

FEE CALCULATION SHEET

PCT •	For receiving Office use only			
FEE CALCULATION SHEET	International Application No.			
Annex to the Request	International Application No.			
Applicant's or agent's file reference 2835299	Date stamp of the receiving Office			
Applicant Canon Kabushiki Kaisha				
CALCULATION OF PRESCRIBED FEES				
1. TRANSMITTAL FEE				
2. SEARCH FEE	E640.00 S			
(If two or more International Searching Authorities are competent to carry of search, indicate the name of the Authority which is chosen to carry out the i	nternational search.)			
3. INTERNATIONAL FEE Basic Fee				
Where items (b) and/or (c) of Box No. IX apply, enter Sub-total nu Where items (b) and (c) of Box No. IX do not apply, enter Total nu	umber of sheets			
b1 first 30 sheets	£278.00 bl			
number of sheets fee per sheet	£600.00 b2			
in excess of 30 additional component (only if sequence listings and/or tables thereto are filed in computer readable form under Section 801 or both in that form and on paper, under Section 801(a)(ii)):	related (a)(i).			
$400 x \underline{\qquad} = \underline{\qquad}$ fee per sheet	- b3			
fee per sheet Add amounts entered at b1, b2 and b3 and enter total at B	£1008.00 B			
Designation Fees The international application contains designations.				
5 x60 =	£300.00 D			
number of designation fees payable (maximum 5) x 60 = amount of designation fee				
Add amounts entered at B and D and enter total at I				
(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)				
4. FEE FOR PRIORITY DOCUMENT (if applicable)	£22.00 P			
5. TOTAL FEES PAYABLE	£2025.00			
Add amounts entered at T, S, I and P, and enter total in the TOTAL I	box TOTAL			
The designation fees are not paid at this time.				
MODE OF PAYMENT				
authorization to charge deposit account (see below) postal money order	cash Coupons			
cheque bank draft	revenue stamps other (specify):			
AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT (This mode of payment may not be available at all receiving Offices) Receiving Office: RO/				
Authorization to charge the total fees indicated above.	Deposit Account No.:			
(This check-box may be marked only if the conditions for deposit account of the receiving Office so permit) Authorization to charge any deficien	nots Date:			

Name:

Signature: _

Authorization to charge the fee for priority document. Form PCT/RO/101 (Annex) (January 2003; reprint July 2003)

or credit any overpayment in the total fees indicated above.